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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,557A

DATE: 06/17/2002

TIME: 14:56:55

Input Set : A:\301dseq.002

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3 <110> APPLICANT: Fredeking, Terry M.  
4 Ignatyev, George M.  
6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING HEMORRHAGIC VIRUS  
7 INFECTIONS AND OTHER DISORDERS  
9 <130> FILE REFERENCE: 24881-301D  
11 <140> CURRENT APPLICATION NUMBER: US/10/038,557A  
C--> 12 <141> CURRENT FILING DATE: 2002-06-05  
14 <150> PRIOR APPLICATION NUMBER: 09/840,707  
15 <151> PRIOR FILING DATE: 2001-04-23  
17 <150> PRIOR APPLICATION NUMBER: 09/562,979  
18 <151> PRIOR FILING DATE: 2000-04-27  
20 <150> PRIOR APPLICATION NUMBER: 60/198,210  
21 <151> PRIOR FILING DATE: 1999-04-27  
23 <160> NUMBER OF SEQ ID NOS: 26  
25 <170> SOFTWARE: PatentIn Ver. 2.0  
27 <210> SEQ ID NO: 1  
28 <211> LENGTH: 271  
29 <212> TYPE: PRT  
30 <213> ORGANISM: Homo sapiens  
32 <220> FEATURE:  
33 <223> OTHER INFORMATION: Recombinant Interleukin 1-alpha  
35 <300> PUBLICATION INFORMATION:  
36 <308> DATABASE ACCESSION NO: AAA59134/GenBank  
37 <309> DATABASE ENTRY DATE: 1994-12-13  
39 <400> SEQUENCE: 1  
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44 20 25 30  
46 Lys Ser Phe Tyr His Val Ser Tyr Gly Pro Leu His Glu Gly Cys Met  
47 35 40 45  
49 Asp Gln Ser Val Ser Leu Ser Ile Ser Glu Thr Ser Lys Thr Ser Lys  
50 50 55 60  
52 Leu Thr Phe Lys Glu Ser Met Val Val Val Ala Thr Asn Gly Lys Val  
53 65 70 75 80  
55 Leu Lys Lys Arg Arg Leu Ser Leu Ser Gln Ser Ile Thr Asp Asp Asp  
56 85 90 95  
58 Leu Glu Ala Ile Ala Asn Asp Ser Glu Glu Ile Ile Lys Pro Arg  
59 100 105 110  
61 Ser Ala Pro Phe Ser Phe Leu Ser Asn Val Lys Tyr Asn Phe Met Arg  
62 115 120 125  
64 Ile Ile Lys Tyr Glu Phe Ile Leu Asn Asp Ala Leu Asn Gln Ser Ile  
65 130 135 140

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67  Ile Arg Ala Asn Asp Gln Tyr Leu Thr Ala Ala Ala Leu His Asn Leu
68  145                150                155                160
70  Asp Glu Ala Val Lys Phe Asp Met Gly Ala Tyr Lys Ser Ser Lys Asp
71                165                170                175
73  Asp Ala Lys Ile Thr Val Ile Leu Arg Ile Ser Lys Thr Gln Leu Tyr
74                180                185                190
76  Val Thr Ala Gln Asp Glu Asp Gln Pro Val Leu Leu Lys Glu Met Pro
77                195                200                205
79  Glu Ile Pro Lys Thr Ile Thr Gly Ser Glu Thr Asn Leu Leu Phe Phe
80                210                215                220
82  Trp Glu Thr His Gly Thr Lys Asn Tyr Phe Thr Ser Val Ala His Pro
83  225                230                235                240
85  Asn Leu Phe Ile Ala Thr Lys Gln Asp Tyr Trp Val Cys Leu Ala Gly
86                245                250                255
88  Gly Pro Pro Ser Ile Thr Asp Phe Gln Ile Leu Glu Asn Gln Ala
89                260                265                270
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95 <212> TYPE: PRT
96 <213> ORGANISM: Homo sapiens
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99 <223> OTHER INFORMATION: Interleukin-1 beta (catabolin)
101 <300> PUBLICATION INFORMATION:
102 <308> DATABASE ACCESSION NO: P01584/Genbank
103 <309> DATABASE ENTRY DATE: 1986-07-21
105 <400> SEQUENCE: 2
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112 Lys Cys Ser Phe Gln Asp Leu Asp Leu Cys Pro Leu Asp Gly Gly Ile
113                35                40                45
115 Gln Leu Arg Ile Ser Asp His His Tyr Ser Lys Gly Phe Arg Gln Ala
116                50                55                60
118 Ala Ser Val Val Val Ala Met Asp Lys Leu Arg Lys Met Leu Val Pro
119  65                70                75                80
121 Cys Pro Gln Thr Phe Gln Glu Asn Asp Leu Ser Thr Phe Phe Pro Phe
122                85                90                95
124 Ile Phe Glu Glu Glu Pro Ile Phe Phe Asp Thr Trp Asp Asn Glu Ala
125                100               105               110
127 Tyr Val His Asp Ala Pro Val Arg Ser Leu Asn Cys Thr Leu Arg Asp
128                115               120               125
130 Ser Gln Gln Lys Ser Leu Val Met Ser Gly Pro Tyr Glu Leu Lys Ala
131                130               135               140
133 Leu His Leu Gln Gly Gln Asp Met Glu Gln Gln Val Val Phe Ser Met
134  145                150                155                160
136 Ser Phe Val Gln Gly Glu Glu Ser Asn Asp Lys Ile Pro Val Ala Leu
137                165                170                175
139 Gly Leu Lys Glu Lys Asn Leu Tyr Leu Ser Cys Val Leu Lys Asp Asp

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140          180          185          190
142 Lys Pro Thr Leu Gln Leu Glu Ser Val Asp Pro Lys Asn Tyr Pro Lys
143          195          200          205
146 Lys Lys Met Glu Lys Arg Phe Val Phe Asn Lys Ile Glu Ile Asn Asn
147          210          215          220
149 Lys Leu Glu Phe Glu Ser Ala Gln Phe Pro Asn Trp Tyr Ile Ser Thr
150          225          230          235          240
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161 <212> TYPE: PRT
162 <213> ORGANISM: Homo sapiens
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Interleukin-1 receptor, Type I precursor
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168 <308> DATABASE ACCESSION NO: P14778/GenBank
169 <309> DATABASE ENTRY DATE: 1990-04-01
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176          20          25          30
178 Val Ser Ser Ala Asn Glu Ile Asp Val Arg Pro Cys Pro Leu Asn Pro
179          35          40          45
181 Asn Glu His Lys Lys Gly Thr Ile Thr Trp Tyr Lys Asp Ser Lys Thr
182          50          55          60
184 Pro Val Ser Thr Glu Gln Ala Ser Arg Ile His Gln His Lys Glu Lys
185          65          70          75          80
187 Leu Trp Phe Val Pro Ala Lys Val Glu Asp Ser Gly His Tyr Tyr Cys
188          85          90          95
190 Val Val Arg Asn Ser Ser Tyr Cys Leu Arg Ile Lys Ile Ser Ala Lys
191          100          105          110
193 Phe Val Glu Asn Glu Pro Asn Leu Cys Tyr Asn Ala Gln Ala Ile Phe
194          115          120          125
196 Lys Gln Lys Leu Pro Val Ala Gly Asp Gly Gly Leu Val Cys Pro Tyr
197          130          135          140
199 Met Glu Phe Phe Lys Asn Glu Asn Asn Glu Leu Pro Lys Leu Gln Trp
200          145          150          155          160
202 Tyr Lys Asp Cys Lys Pro Leu Leu Leu Asp Asn Ile His Phe Ser Gly
203          165          170          175
205 Val Lys Asp Arg Leu Ile Val Met Asn Val Ala Glu Lys His Arg Gly
206          180          185          190
208 Asn Tyr Thr Cys His Ala Ser Tyr Thr Tyr Leu Gly Lys Gln Tyr Pro
209          195          200          205
211 Ile Thr Arg Val Ile Glu Phe Ile Thr Leu Glu Glu Asn Lys Pro Thr
212          210          215          220

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214 Arg Pro Val Ile Val Ser Pro Ala Asn Glu Thr Met Glu Val Asp Leu
215 225 230 235 240
217 Gly Ser Gln Ile Gln Leu Ile Cys Asn Val Thr Gly Gln Leu Ser Asp
218 245 250 255
220 Ile Ala Tyr Trp Lys Trp Asn Gly Ser Val Ile Asp Glu Asp Asp Pro
221 260 265 270
223 Val Leu Gly Glu Asp Tyr Tyr Ser Val Glu Asn Pro Ala Asn Lys Arg
224 275 280 285
226 Arg Ser Thr Leu Ile Thr Val Leu Asn Ile Ser Glu Ile Glu Ser Arg
227 290 295 300
229 Phe Tyr Lys His Pro Phe Thr Cys Phe Ala Lys Asn Thr His Gly Ile
230 305 310 315 320
232 Asp Ala Ala Tyr Ile Gln Leu Ile Tyr Pro Val Thr Asn Phe Gln Lys
233 325 330 335
235 His Met Ile Gly Ile Cys Val Thr Leu Thr Val Ile Ile Val Cys Ser
236 340 345 350
238 Val Phe Ile Tyr Lys Ile Phe Lys Ile Asp Ile Val Leu Trp Tyr Arg
239 355 360 365
241 Asp Ser Cys Tyr Asp Phe Leu Pro Ile Lys Ala Ser Asp Gly Lys Thr
242 370 375 380
244 Tyr Asp Ala Tyr Ile Leu Tyr Pro Lys Thr Val Gly Glu Gly Ser Thr
245 385 390 395 400
247 Ser Asp Cys Asp Ile Phe Val Phe Lys Val Leu Pro Glu Val Leu Glu
248 405 410 415
250 Lys Gln Cys Gly Tyr Lys Leu Phe Ile Tyr Gly Arg Asp Asp Tyr Val
251 420 425 430
253 Gly Glu Asp Ile Val Glu Val Ile Asn Glu Asn Val Lys Lys Ser Arg
254 435 440 445
256 Arg Leu Ile Ile Ile Leu Val Arg Glu Thr Ser Gly Phe Ser Trp Leu
257 450 455 460
259 Gly Gly Ser Ser Glu Glu Gln Ile Ala Met Tyr Asn Ala Leu Val Gln
260 465 470 475 480
262 Asp Gly Ile Lys Val Val Leu Leu Glu Leu Lys Ile Gln Asp Tyr
263 485 490 495
265 Glu Lys Met Pro Glu Ser Ile Lys Phe Ile Lys Gln Lys His Gly Ala
266 500 505 510
268 Ile Arg Trp Ser Gly Asp Phe Thr Gln Gly Pro Gln Ser Ala Lys Thr
269 515 520 525
271 Arg Phe Trp Lys Asn Val Arg Tyr His Met Pro Val Gln Arg Arg Ser
272 530 535 540
274 Pro Ser Ser Lys His Gln Leu Leu Ser Pro Ala Thr Lys Glu Lys Leu
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280 <210> SEQ ID NO: 4
281 <211> LENGTH: 398
282 <212> TYPE: PRT
283 <213> ORGANISM: Homo sapiens
285 <220> FEATURE:

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286 &lt;223&gt; OTHER INFORMATION: Interleukin-1 receptor, Type II precursor

288 &lt;300&gt; PUBLICATION INFORMATION:

289 &lt;308&gt; DATABASE ACCESSION NO: P27930/GenBank

290 &lt;309&gt; DATABASE ENTRY DATE: 1993-08-01

292 &lt;400&gt; SEQUENCE: 4

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296 Gln Pro Ala Ala His Thr Gly Ala Ala Arg Ser Cys Arg Phe Arg Gly
297           20           25           30
299 Arg His Tyr Lys Arg Glu Phe Arg Leu Glu Gly Glu Pro Val Ala Leu
300           35           40           45
302 Arg Cys Pro Gln Val Pro Tyr Trp Leu Trp Ala Ser Val Ser Pro Arg
303           50           55           60
305 Ile Asn Leu Thr Trp His Lys Asn Asp Ser Ala Arg Thr Val Pro Gly
306           65           70           75           80
308 Glu Glu Glu Thr Arg Met Trp Ala Gln Asp Gly Ala Leu Trp Leu Leu
309           85           90           95
311 Pro Ala Leu Gln Glu Asp Ser Gly Thr Tyr Val Cys Thr Thr Arg Asn
312           100          105          110
314 Ala Ser Tyr Cys Asp Lys Met Ser Ile Glu Leu Arg Val Phe Glu Asn
315           115          120          125
317 Thr Asp Ala Phe Leu Pro Phe Ile Ser Tyr Pro Gln Ile Leu Thr Leu
318           130          135          140
320 Ser Thr Ser Gly Val Leu Val Cys Pro Asp Leu Ser Glu Phe Thr Arg
321          145          150          155          160
323 Asp Lys Thr Asp Val Lys Ile Gln Trp Tyr Lys Asp Ser Leu Leu Leu
324           165          170          175
326 Asp Lys Asp Asn Glu Lys Phe Leu Ser Val Arg Gly Thr Thr His Leu
327           180          185          190
329 Leu Val His Asp Val Ala Leu Glu Asp Ala Gly Tyr Tyr Arg Cys Val
330           195          200          205
332 Leu Thr Phe Ala His Glu Gly Gln Gln Tyr Asn Ile Thr Arg Ser Ile
333           210          215          220
335 Glu Leu Arg Ile Lys Lys Lys Lys Glu Glu Thr Ile Pro Val Ile Ile
336          225          230          235          240
338 Ser Pro Leu Lys Thr Ile Ser Ala Ser Leu Gly Ser Arg Leu Thr Ile
339           245          250          255
341 Pro Cys Lys Val Phe Leu Gly Thr Gly Thr Pro Leu Thr Thr Met Leu
342           260          265          270
344 Trp Trp Thr Ala Asn Asp Thr His Ile Glu Ser Ala Tyr Pro Gly Gly
345           275          280          285
347 Arg Val Thr Glu Gly Pro Arg Gln Glu Tyr Ser Glu Asn Asn Glu Asn
348           290          295          300
350 Tyr Ile Glu Val Pro Leu Ile Phe Asp Pro Val Thr Arg Glu Asp Leu
351          305          310          315          320
353 His Met Asp Phe Lys Cys Val Val His Asn Thr Leu Ser Phe Gln Thr
354           325          330          335
356 Leu Arg Thr Thr Val Lys Glu Ala Ser Ser Thr Phe Ser Trp Gly Ile
357           340          345          350

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/038,557A

DATE: 06/17/2002

TIME: 14:56:56

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

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